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TRANSMITTAL LETTER

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

ATTN: Mail Stop Patent Applications

Sir:

Transmitted herewith for filing is the patent application of: Andreas Molisch, Ye Li, and Jinyun Zhang.

FOR: ESTIMATING CHANNEL IMPULSE RESPONSE AND EQUALIZER COEFFICIENTS IN UWB COMMUNICATION SYSTEMS

Enclosed are:

- [19] pages of specification, claims and abstract
- [8] sheet of formal drawings
- [x] Declaration and Power of Attorney
- [x] Assignment of the application
- [] Information Disclosure Statement

The filing fee is calculated as follows:

			S AS FILED			
	NUMBER FILED		NUMBER EXTRA	LARGE ENTITY	AMOUNT	
Basic Fee				\$ 750.00	\$ 750.00	
Total Claims	9	-20 =	2	x 18.00	7 7 7 5 0 1 0 0	
Independent						
Claims	1	-3 =		\$80.00	•	
Assignment						
Recording Fee				40.00	\$ 40.00	
Multiple Depe	ndent	Claim				
Fee				270.00		
=			•			

Other

TOTAL FEE

790.00

- [X] Please record the accompanying Assignment.
- [X]Please charge Deposit Account No. 50-0749 in the amount of \$ 790.00 for filing fees.
- [] Check in the amount of \$_.00 for Filing Fee.
- [X] The Assistant Commissioner for Patents is hereby authorized to charge any additional fees due or credit any overpayment to Deposit Account No. 50-0749.

All future correspondence should be addressed to:

Patent Department Mitsubishi Electric Research Laboratories, Inc. 201 Broadway Cambridge, Massachusetts 02139

Duplicate copies of this letter are enclosed.

Respectfully submitted, MITSUBISHI FLECTRIC RESEARCH LABORATORIES, INC.

By:

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